

WHAT IS CLAIMED IS:

1. A method for treating a pathological condition caused by reduced production of erythropoietin, comprising:

administering to a subject in need thereof an effective amount of one or more of the following compound(s):

N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine,
an acid-addition salt of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine,

a hydrate of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine, or
a hydrate of an acid addition salt of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine

2. The method according to claim 1, wherein the pathological condition caused by reduced production of erythropoietin is anemia.

3. The method according to claim 1, wherein the pathological condition is chronic anemia.

4. The method according to claim 1, wherein the pathological condition is renal anemia.

5. The method according to claim 1, wherein the pathological condition is hypoplastic anemia.

6. The method according to claim 1, wherein the pathological condition is pure blood cell aplasia.

7. The method of claim 1, comprising administering N,N'-bis(5 (3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine.

8. The method of claim 1, comprising administering an acid-addition salt of N,N'-bis(5 (3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine.

9. The method of claim 1, comprising administering a hydrate of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine.

10. The method of claim 1, comprising administering a hydrate of an acid-addition salt of N,N'-bis(5 (3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine.

11. The method of claim 1, wherein said administering is done perorally.

12. The method of claim 1, wherein said administering is done parenterally.

13. The method of claim 1, further comprising administering at least one other drug or growth factor.

14. The method of claim 1, further comprising administering erythropoietin.

15. A method for potentiating erythropoietin production comprising contacting a cell which can produce erythropoietin with an effective amount of one or more of the following compound(s):

N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine,
an acid-addition salt of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine,
a hydrate of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine, or
a hydrate of an acid addition salt of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine

16. The method of claim 15, wherein said cell is *in vivo*.

17. The method of claim 15, wherein said cell is *in vitro*.

18. The method of claim 15, comprising administering said compound to a non-human mammal.

19. The method of claim 15, comprising administering said compound to a human.

20. A method for increasing the numbers of red blood cells or megakaryocytes in a subject comprising administering to said subject an effective amount of one or more of the following compound(s):

N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine,
an acid-addition salt of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine,

a hydrate of N,N'-bis(5-(3,4,5-trimethoxyphenyl)-4-pentenyl)homopiperazine, or
a hydrate of an acid-addition salt of N,N'-bis(5 (3,4,5-trimethoxyphenyl)-4-
pentenyl)homopiperazine.